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Commercial Standard

186-52

Boys' Sports-Outerwear Size Measurements

A RECORDED VOLUNTARY STANDARD OF THE TRADE

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UNITED STATES DEPARTMENT OF COMMERCE

Charles Sawyer, Secretary

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U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

**BUREAU OF FOREIGN AND DOMESTIC
COMMERCE**

Office of Industry and Commerce

H. B. McCoy, Director

IN COOPERATION WITH

NATIONAL BUREAU OF STANDARDS

A. V. ASTIN, DIRECTOR

Boys' Sports-Outerwear Size Measurements

[Effective June 27, 1952]

NOTE.—These standard size measurements of boys' sports outerwear are based on the body measurements in Commercial Standard 155-50, Body Measurements for the Sizing of Boys' Apparel (Knit Underwear, Shirts, Trousers). The sports outerwear segment of the boys' apparel industry has also endorsed CS155-50, and recognition of that endorsement will be made as soon as practicable.

1. PURPOSE

1.1 The primary purpose of this commercial standard is to provide standard methods of measuring, and standard size measurements for boys' sports outerwear—lined and unlined jackets, surcoats, and storm coats.

1.2 Another purpose is to base the garment measurements for size on a system of standard body measurements that can be presented to the consumer as a guide in determining apparel size and that will be uniform for boys' garments of all types.

2. SCOPE

2.1 This standard covers the methods of measuring, size designations, and length and girth measurements for boys' sports outerwear in sizes 4 to 20.

3. APPLICATION

3.1 The methods and measurements given herein are applicable to finished garments as delivered by the manufacturer.

4. GENERAL REQUIREMENTS

4.1 *Method of measuring.*—The garment shall be laid out on a smooth, flat surface in such a way that creases or wrinkles will not affect the measurements.

4.1.1 *Precision.*—Measurements shall be taken to the nearest one-fourth inch.

5. STANDARD METHODS OF MEASURING, AND MEASUREMENTS

5.1 **COSSACK JACKET (UNLINED OR LIGHTLY LINED).**—(See figs. 1 to 4 and table 1.)

5.1.1 *Chest circumference (garment closed).*—Measure the distance across the closed garment at bottom of armhole with the front

and back width fully pulled out and the garment flattened as much as possible. (*C*, fig. 2.) The circumference will be twice this measurement.

5.1.2 *Cross-back width*.—Measure across the back from armhole to armhole at one-half the depth of the armhole. (*BW*, fig. 3.)

5.1.3 *Armhole circumference*.—Measure the length of the armhole taken along the seam. (*A*, fig. 3.) The circumference will be twice this measurement.

5.1.4 *Sleeve length*.—Measure from collar seam at center back across the shoulder to the outer edge of the shoulder, and then down along the outside center portion of the sleeve to the bottom. (*SL*, fig. 4.)



FIGURE 1. Unlined cossack jacket.

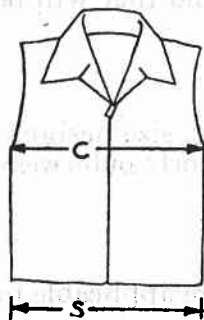


FIGURE 2.
Chest and sweep.

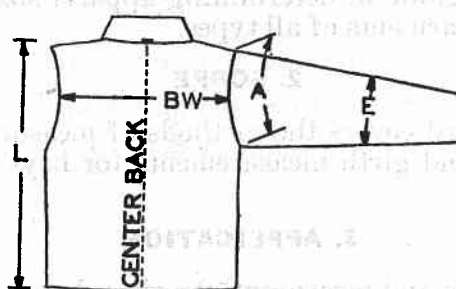


FIGURE 3.
Cross-back width, length, and sleeve girths.

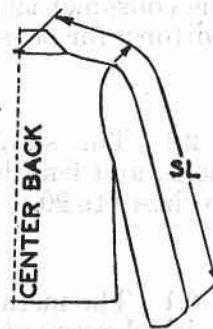


FIGURE 4.
Sleeve length.

5.1.5 *Sleeve circumference, at elbow*.—Measure the distance across the sleeve at a point midway between the armhole and the bottom of the sleeve. (This point can be determined easily by folding the bottom of the sleeve inwards until it touches the bottom of the armhole.) Take measurement parallel with the bottom of the sleeve, and with the garment flattened as much as possible. (*E*, fig. 3.) The circumference will be twice this measurement.

5.1.6 *Sleeve circumference, at bottom*.—Measure the distance across the bottom of the sleeve after flattening it as much as possible. (*G*, fig. 3.) The circumference will be twice this measurement.

5.1.7 *Sweep circumference (garment closed).*—Measure the distance across the bottom of the closed garment. (*S*, fig. 2.) The circumference will be twice this measurement.

5.1.8 *Length (total).*—Measure from collar seam at center back to bottom of garment. (*L*, fig. 3.)

TABLE 1. *Standard body measurements of boys, and garment measurement for COSSACK JACKET (UNLINED OR LIGHTLY LINED)* ¹

Measurement	Size (number)									
	4	6	8	10	12	14	16	18	20	
CS155-50 Body Measurements										
Height of boy.....in.	40	46	50	54	58	61	64	66	68	
Weight of boy (approx.).....lb.	38	49	59	73	87	100	115	126	138	
Chest of boy.....in.	23	25	26½	28	29½	31½	33	34½	36	
Measurement	Garment Measurements (inches)									Tolerances (inch)
Chest circumference—closed.....(<i>C</i>)	28	30	32	34	36	38	40	42	44	±½
Length (total)—approx. midway between hip and crotch length.....(<i>L</i>)	15	17	18	19	20½	22	23	24	25	±½
Cross-back width.....(<i>BW</i>)	11¼	12	12¾	13½	14¼	15	15½	16	16½	±½
Armhole circumference.....(<i>A</i>)	13	14	15	16	17	18	19	19¾	20½	±½
Sleeve length.....(<i>SL</i>)	19	21½	23½	25½	27½	29½	31½	32½	33½	±½
Sleeve circumference:										
At elbow.....(<i>E</i>)	11¾	12¼	12¾	13¾	13¾	14¼	14¾	15¼	15¾	±½
At bottom.....(<i>G</i>)	9½	9¾	10	10¼	10½	10¾	11	11¼	11½	±¾
Sweep circumference—closed (at bottom).....(<i>S</i>)	28	30	31½	33½	35½	37	38½	40	41½	±½

¹ A reference table of sports outerwear center-back lengths, based on body measurements, is given on page 11.

5.2 JACKET WITH KNIT BOTTOM (HEAVILY QUILTED OR SHEEP-LINED). (See figs. 5 to 9 and table 2.)

5.2.1 *Chest circumference (garment closed).*—Measure the distance across the closed garment at bottom of armhole with the front and back width fully pulled out and the garment flattened as much as

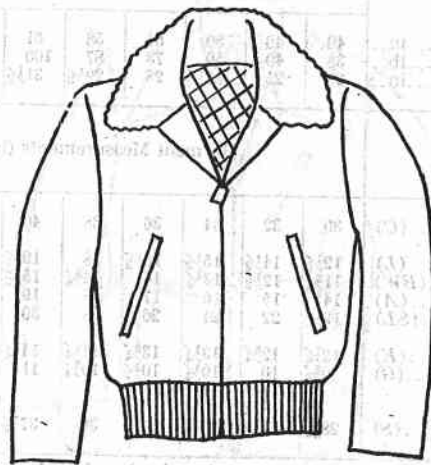


FIGURE 5. *Heavily quilted lined jacket with knit bottom. (Also suitable for sheepskin lining.)*

possible. (*C*, fig. 6.) The circumference will be twice this measurement.

5.2.2 *Cross-back width*.—Measure across the back from armhole to armhole at one-half the depth of the armhole. (*BW*, fig. 7.)

5.2.3 *Armhole circumference*.—Measure the length of the armhole taken along the seam. (*A*, fig. 7.) The circumference will be twice this measurement.

5.2.4 *Sleeve length*.—Measure from collar seam at center back across the shoulder to the outer edge of the shoulder, and then down along the outside center portion of the sleeve to the bottom. (*SL*, fig. 8.)

5.2.5 *Sleeve circumference, at elbow*.—Measure the distance across the sleeve at a point midway between the armhole and the bottom of the sleeve. (This point can be determined easily by folding the bottom of the sleeve inwards until it touches the bottom of the armhole.)



FIGURE 6.
Chest.

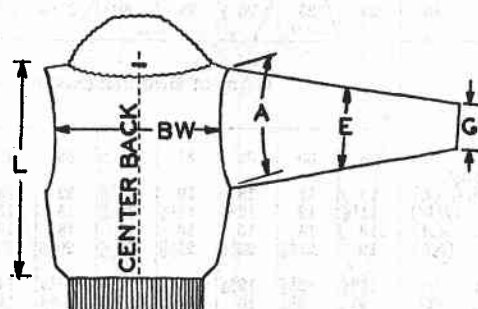


FIGURE 7.
Cross-back width, length,
and sleeve girths.



FIGURE 8.
Sleeve length.

TABLE 2. *Standard body measurements of boys, and garment measurements for JACKET WITH KNIT BOTTOM (HEAVILY LINED)*¹

Measurement	Size (number)								
	4	6	8	10	12	14	16	18	20
CS155-50 Body Measurements									
Height of boy.....in.	40	46	50	54	58	61	64	66	68
Weight of boy (approx.).....lb.	38	49	59	73	87	100	115	128	138
Chest of boy.....in.	23	25	26½	28	29½	31½	33	34½	36
Measurement	Garment Measurements (inches)								
Chest circumference—closed.....(<i>C</i>)	30	32	34	36	38	40	42	44	46
Length, to upper edge of knit bottom.....(<i>L</i>)	12½	14½	15½	16½	18	19½	20½	21½	22½
Cross-back width.....(<i>BW</i>)	11¾	12½	13¼	14	14¾	15½	16	16¾	17
Armhole circumference.....(<i>A</i>)	14	15	16	17	18	19	20	20¾	21½
Sleeve length.....(<i>SL</i>)	19½	22	24	26	28	30	32	33	34
Sleeve circumference: ²									
At elbow.....(<i>E</i>)	12¾	12¾	13¼	13¾	14¾	14¾	15¼	15¾	16¼
At bottom.....(<i>G</i>)	9¾	10	10¼	10½	10¾	11	11¼	11½	11¾
Sweep circumference—open (taken on garment where it joins knit band).....(<i>S</i>)	28½	30½	32	34	36	37½	39	40½	42
									±½

¹ A reference table of sports outerwear center-back lengths, based on body measurements, is given on page 11.

² These sleeve circumferences are based on medium-weight sleeve linings. For light-weight or heavy-weight sleeve linings, make compensating adjustments.

Take measurement parallel with the bottom of the sleeve, and with the garment flattened as much as possible. (*E*, fig. 7.) The circumference will be twice this measurement.

5.2.6 *Sleeve circumference, at bottom.*—Measure the distance across the bottom of the sleeve after flattening it as much as possible. (*G*, fig. 7.) The circumference will be twice this measurement.

5.2.7 *Sweep circumference (garment open).*—Measure on inside of garment at seam where body is joined to knit band, with zipper open and all shirring pulled out. (*S*, fig. 9.)

5.2.8 *Length.*—Measure from collar seam at center back to upper edge of knit bottom. (*L*, fig. 7.)

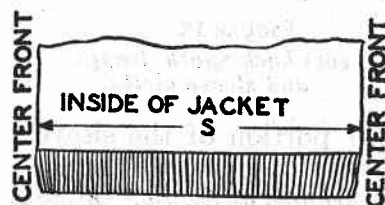


FIGURE 9. Sweep—jacket with knit bottom.

5.3 SURCOAT OR SIMILAR TYPE GARMENTS (HEAVILY LINED AND UNLINED OR LIGHTLY LINED).—(See figs. 10 to 13 and table 3 for heavily lined surcoat, and figs. 10 to 13 and table 4 for unlined or lightly lined surcoat.)

5.3.1 *Chest circumference (garment closed).*—Measure the distance across the closed garment at bottom of armhole with the front and back width fully pulled out and the garment flattened as much as possible. (*C*, fig. 11.) The circumference will be twice this measurement.

5.3.2 *Cross-back width.*—Measure across the back from armhole to armhole at one-half the depth of the armhole. (*BW*, fig. 12.)

5.3.3 *Armhole circumference.*—Measure the length of the armhole taken along the seam. (*A*, fig. 12.) The circumference will be twice this measurement.

5.3.4 *Sleeve length.*—Measure from collar seam at center back across the shoulder to the outer edge of the shoulder, and then down

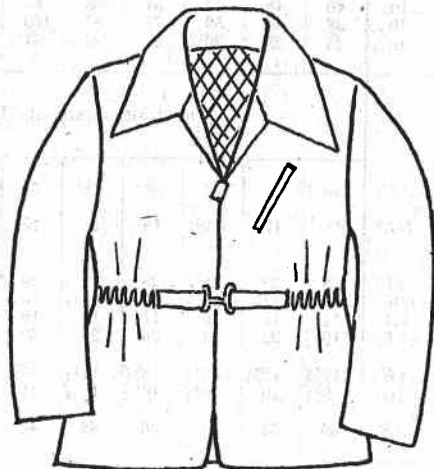


FIGURE 10. Heavily quilted lined surcoat. (Also suitable for no lining or light lining.)

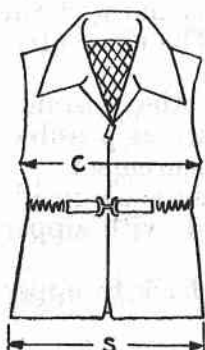


FIGURE 11.
Chest and sweep.

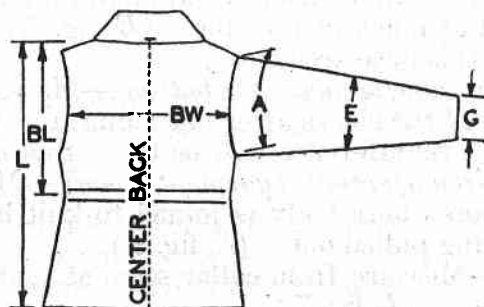


FIGURE 12.
Cross-back width, length,
and sleeve girths.

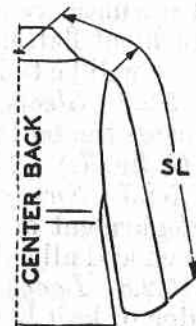


FIGURE 13.
Sleeve length.

along the outside center portion of the sleeve to the bottom. (*SL*, fig. 13.)

5.3.5 *Sleeve circumference, at elbow.*—Measure the distance across the sleeve at a point midway between the armhole and the bottom of the sleeve. (This point can be determined easily by folding the bottom of the sleeve inwards until it touches the bottom of the armhole.) Take measurement parallel with the bottom of the sleeve, and with the garment flattened as much as possible. (*E*, fig. 12.) The circumference will be twice this measurement.

5.3.6 *Sleeve circumference, at bottom.*—Measure the distance across the bottom of the sleeve after flattening it as much as possible. (*G*, fig. 12.) The circumference will be twice this measurement.

TABLE 3. *Standard body measurements of boys, and garment measurements for SURCOAT OR SIMILAR TYPE GARMENTS (HEAVILY LINED)*¹

Measurement	Size (number)									
	4	6	8	10	12	14	16	18	20	
	CS155-50 Body Measurements									
Height of boy.....in.	40	46	50	54	58	61	64	66	68	
Weight of boy (approx.).....lb.	38	49	59	73	87	100	115	126	138	
Chest of boy.....in.	23	25	26½	28	29½	31½	33	34½	36	
Measurement	Garment Measurements (inches)									Tolerances (inch)
Chest circumference—closed.....(<i>C</i>)	30	32	34	36	38	40	42	44	46	
Inset belt location—to center of belt.....(<i>BL</i>)	11	12	12¾	13½	14	15	16	16¾	17¼	±½
Length (total)—approx. one-fourth between the crotch and knee length ¹(<i>L</i>)	18	20	21½	23	24½	26	27½	28½	29½	±½
Cross-back width.....(<i>BW</i>)	11¾	12½	13¼	14	14¾	15½	16	16½	17	±¼
Armhole circumference.....(<i>A</i>)	14	15	16	17	18	19	20	20¾	21½	±½
Sleeve length.....(<i>SL</i>)	19½	22	24	26	28	30	32	33	34	±½
Sleeve circumference: ²										
At elbow.....(<i>E</i>)	12¼	12¾	13¼	13¾	14¼	14¾	15¼	15¾	16¼	±½
At bottom.....(<i>G</i>)	9¾	10	10¼	10½	10¾	11	11¼	11½	11¾	±¼
Sweep circumference—closed (2 in. above bottom).....(<i>S</i>)	30	32	34	36	38	40	42	44	46	±½

¹ A reference table of sports outerwear center-back lengths, based on body measurements, is given on page 11.

² These sleeve circumferences are based on medium-weight sleeve linings. For light-weight or heavy-weight sleeve linings, make compensating adjustments.

5.3.7 *Sweep circumference (garment closed).*—Measure the distance across the garment 2 inches above the bottom. (*S*, fig. 11.) The circumference will be twice this measurement.

5.3.8 *Inset belt location.*—Measure from collar seam at center back to center of belt. (*BL*, fig. 12.)

5.3.9 *Length (total).*—Measure from collar seam at center back to bottom of garment. (*L*, fig. 12.)

TABLE 4. *Standard body measurements of boys, and garment measurements for SURCOAT OR SIMILAR TYPE GARMENTS (UNLINED OR LIGHTLY LINED)*¹

Measurement	Size (number)									
	4	6	8	10	12	14	16	18	20	
CS155-50 Body Measurements										
Height of boy.....in.	40	46	50	54	58	61	64	66	68	
Weight of boy (approx.).....lb.	38	49	59	73	87	100	115	126	138	
Chest of boy.....in.	23	25	26½	28	29½	31½	33	34½	36	
Measurement	Garment Measurements (inches)									Tolerances (inch)
Chest circumference—closed.....(<i>C</i>)	28	30	32	34	36	38	40	42	44	±½
Inset belt location—to center of belt.....(<i>BL</i>)	11	12	12¾	13½	14	15	16	16¾	17¾	±½
Length (total)—approx. one-fourth between the crotch and knee length ¹(<i>L</i>)	18	20	21½	23	24½	26	27½	28½	29½	±½
Cross-back width.....(<i>BW</i>)	11¼	12	12¾	13½	14¼	15	15½	16	16½	±¼
Armhole circumference.....(<i>A</i>)	13	14	15	16	17	18	19	19¾	20½	±½
Sleeve length.....(<i>SL</i>)	19	21½	23½	25½	27½	29½	31½	32½	33½	±½
Sleeve circumference:										
At elbow.....(<i>E</i>)	11¾	12¾	12¾	13¾	13¾	14¾	14¾	15¾	15¾	±½
At bottom.....(<i>G</i>)	9½	9¾	10	10¼	10½	10¾	11	11¼	11½	±¼
Sweep circumference—closed (2 in. above bottom).....(<i>S</i>)	28	30	32	34	36	38	40	42	44	±½

¹ A reference table of sports outerwear center-back lengths, based on body measurements, is given on page 11.

5.4 **STORM COAT (HEAVILY LINED).**—(See figs. 14 to 17, and table 5.)

5.4.1 *Chest circumference (garment closed).*—Measure the distance across the closed garment at bottom of armhole with lapels opened and flattened, the front and back width fully pulled out, and the garment flattened as much as possible. (*C*, fig. 15.) The circumference will be twice this measurement.

5.4.2 *Cross-back width.*—Measure across the back from armhole to armhole at one-half the depth of the armhole. (*BW*, fig. 16.)

5.4.3 *Armhole circumference.*—Measure the length of the armhole taken along the seam. (*A*, fig. 16.) The circumference will be twice this measurement.

5.4.4 *Sleeve length.*—Measure from collar seam at center back across the shoulder to the outer edge of the shoulder, and then down along the outside center portion of the sleeve to the bottom. (*SL*, fig. 17.)

5.4.5 *Sleeve circumference, at elbow.*—Measure the distance across the sleeve at a point midway between the armhole and the bottom of



FIGURE 14. *Heavily lined storm coat.*

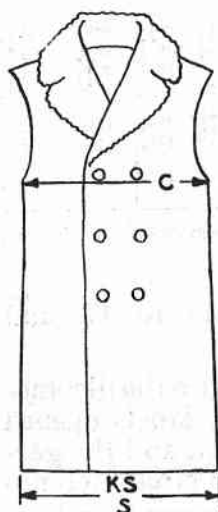


FIGURE 15.
Chest and sweep.

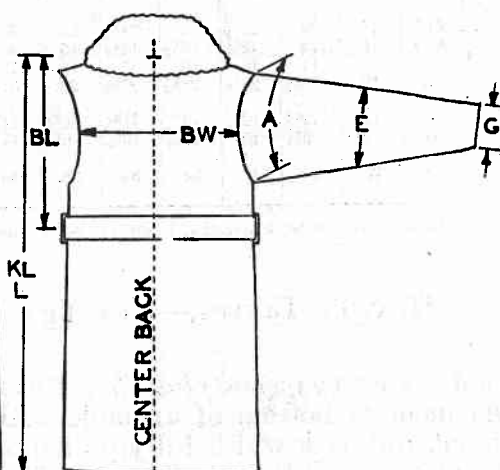


FIGURE 16.

Cross-back width, length, and sleeve girths.

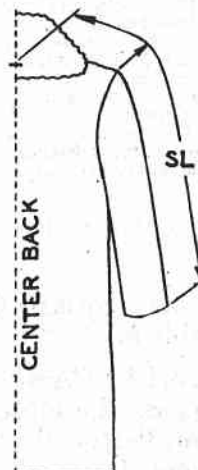


FIGURE 17.

Sleeve length.

the sleeve. (This point can be determined easily by folding the bottom of the sleeve inwards until it touches the bottom of the armhole.) Take measurement parallel with the bottom of the sleeve and with the garment flattened as much as possible. (*E*, fig. 16.) The circumference will be twice this measurement.

5.4.6 *Sleeve circumference, at bottom.*—Measure the distance across the bottom of the sleeve after flattening it as much as possible. (*G*, fig. 16.) The circumference will be twice this measurement.

5.4.7 *Sweep circumference (garment closed).*—Measure the distance across the bottom of the coat, whether in knee or full length, with

bottom lapped the same amount as the width of lap at lowest button. (*S* and *KS*, fig. 15.) The circumference will be twice this measurement.

5.4.8 *Belt location*.—Measure from collar seam at center back to center of belt, when belt is pulled straight and flat across the garment from belt loop to belt loop. (*BL*, fig. 16.)

5.4.9 *Length (total)*.—Measure from collar seam at center back to bottom of garment, whether in knee or full length. (*L* and *KL*, fig. 16.)

TABLE 5. *Standard body measurements of boys, and garment measurements for STORM COAT (HEAVILY LINED)*¹

Measurement	Size (number)									
	4	6	8	10	12	14	16	18	20	
CS155-50 Body Measurements										
Height of boy.....in.	40	46	50	54	58	61	64	66	68	
Weight of boy (approx.).....lb.	38	49	59	73	87	100	115	126	138	
Chest of boy.....in.	23	25	26½	28	29½	31½	33	34½	36	
Measurement	Garment Measurements (inches)									Tolerances (inch)
Chest circumference—closed.....(<i>C</i>)	32	34	36	38	40	42	44	46	48	±½
Belt location—to center of belt.(<i>BL</i>)	11½	12½	13½	14	14½	15½	16½	17½	17¾	±½
Length:										
Knee.....(<i>KL</i>)	22	26	28	30½	33	35	36½	38	39½	±½
Full.....(<i>L</i>)	24	28	31	34	36½	39	41	43	44½	±½
Cross-back width.....(<i>BW</i>)	12½	13	13½	14½	15½	16	16½	17	17½	±½
Armhole circumference.....(<i>A</i>)	15	16	17	18	19	20	21	21½	22½	±½
Sleeve length.....(<i>SL</i>)	19¾	22¼	24¼	26¼	28¼	30¼	32¼	33¼	34¼	±½
Sleeve circumference: ²										
At elbow.....(<i>E</i>)	12¾	13¾	13¾	14¾	14¾	15¾	15¾	16¾	16¾	±½
At bottom.....(<i>G</i>)	10	10¾	10½	10¾	11	11½	11½	11¾	12	±½
Sweep circumference—closed:										
Knee length.....(<i>KS</i>)	36	38	40	42	44	46½	49	51½	54	±1
Full length.....(<i>S</i>)	38	40	42	44	46	49	52	55	58	±1

¹ A reference table of sports outerwear center-back lengths, based on body measurements, is given at the bottom of this page.

² These sleeve circumferences are based on medium-weight sleeve linings. For light-weight or heavy-weight sleeve linings, make compensating adjustments.

6. CENTER-BACK LENGTHS BASED ON BODY MEASUREMENTS

NOTE.—Except for the full-length measurement, all center-back lengths in table 6 represent lengths of garments from collar seam to lower edge, when the lower edge coincides with one of the following body landmarks—waist, hip, crotch, or knee—as indicated by the data in the boys' body measurements standard, CS155-50. (For example, for size 6 the cervicale height is 38½ in. and the crotch height is 20½ in.; the difference is 18½ in., or 18 in., rounded, the crotch length given in table 6.) This table of measurements is given to provide reliable size-to-size gradings for garments, whether those lengths coincide with or fall between the different body landmarks.

TABLE 6. *Center-back lengths for sports outerwear, based on body measurements*¹

Measurement	Size (number)								
	4	6	8	10	12	14	16	18	20
Waist length ²	In. 10	In. 11	In. 11¾	In. 12½	In. 13	In. 14	In. 15	In. 15¾	In. 16¾
Hip length.....	14	16	17	18	19	20	21	22	23
Crotch length.....	16	18	19	20	21½	23	24½	25½	26½
Knee length.....	22	26	28	30½	33	35	36½	38	39½
Full length.....	24	28	31	34	36½	39	41	43	44½

¹ No blousing is allowed.

² Waist length is dropped gradually, size to size, below the corresponding body measurements in CS155-50 (cervicale to waist, including curve of spine) to represent lowered body waistline used in the apparel industry.

7. IDENTIFICATION

NOTE.—This outerwear standard is based on the new "height-weight" sizing system for boys' apparel. The heights and the weights given identify the boy with his normal body size. The chest measurement is the "critical" measurement to use to obtain a proper fit in outerwear garments. This critical measurement will vary according to the various categories of boys' apparel—sports outerwear, shirts, trousers, underwear, etc.—but the heights and weights will be uniform for all garments. If a boy is 54 inches tall and weighs 73 pounds, he is a size 10 boy, and would normally buy a size 10 garment. However, since he might have a slightly smaller or larger chest, it would be advisable to consider the chest size in purchasing jackets and coats.

7.1 In order to assure purchasers that the outerwear they buy conforms to this "height-weight" sizing system, it is recommended that catalog and sales literature carry the following statement:

Sizes of-----

Boys' sports outerwear (*name particular garment*)

are made in accordance with Commercial Standard CS186-52, as developed by the trade under the procedure of the Commodity Standards Division, and issued by the U. S. Department of Commerce.

7.2 In order to assure consumers that the outerwear they purchase conforms to this "height-weight" sizing system, it is recommended that each garment be identified by a sticker, tag, hanger, or other label attached to it carrying the following statement:

SIZE-----, CS186-52

HEIGHT----- WEIGHT----- CHEST-----

8. EFFECTIVE DATE

8.1 Having been passed through the regular procedure of the Commodity Standards Division, and approved by the acceptors herein-after listed, this commercial standard was issued by the United States Department of Commerce, effective from June 27, 1952.

EDWIN W. ELY,

Chief, Commodity Standards Division.

HISTORY OF PROJECT

The Boys' Apparel & Accessories Manufacturers' Association, Inc., on July 27, 1949, requested the cooperation of the Commodity Standards Division in the development of a series of commercial standards covering boys' shirts, trousers, sports outerwear, etc. Two of these standards were completed and promulgated in 1951—CS14-51, Boys' Sport and Dress Shirt Size Measurements; and CS183-51, Boys' Trouser Size Measurements.

A proposed commercial standard for boys' sports outerwear size measurements was circulated to the trade on November 2, 1951, for comment. The basic measurements were developed in cooperation with representatives of the Boys' Apparel Buyers' Association, and were based on try-ons of garments on boys whose body measurements correspond to those in CS155-50—the same body measurements system used in the development of the standards for boys' sport and dress shirt and boys' trouser size measurements. Following adjustments in line with the comments received, the recommended standard was sent to the trade for acceptance on March 25, 1952.

Since that time signed acceptances representing adequate support by manufacturers, distributors, and consumers have been received. On June 27, 1952, an announcement was made that the recommended standard had been approved for promulgation by the U. S. Department of Commerce, and would be effective for the industry from the date of the announcement.

Project Manager: Mansfield Lonie, Commodity Standards Division, Office of Industry and Commerce.

Technical Adviser: Dr. Robert B. Hobbs, Organic and Fibrous Materials Division, National Bureau of Standards.

STANDING COMMITTEE

The following individuals comprise the membership of the standing committee, which is to review, prior to circulation for acceptance, revisions proposed to keep the standard abreast of progress. Comment concerning the standard and suggestions for revision may be addressed to any member of the committee or to the Commodity Standards Division, Office of Industry and Commerce, United States Department of Commerce, which acts as secretary for the committee.

Manufacturers

RICHARD BELL, Cape Ann Manufacturing Co., 31 Commercial St., Gloucester, Mass. (chairman).

JOSEPH EILEN, Elder Manufacturing Co., 13th & Lucas Ave., St. Louis, Mo.

HERBERT B. LUSTBERG, Lustberg, Nast & Co., Inc., 212 Fifth Ave., New York, N. Y.

LEONARD SCHWARTZ, Wm. Schwartz & Co., Lehigh Ave. and 22d St., Philadelphia, Pa.

JULES SIMON, Jules L. Simon & Co., 805 Merchandise Mart, Chicago, Ill.

LEON M. SINGER, Boys' Apparel & Accessories Manufacturers' Association, Inc., 347 Fifth Ave., New York 16, N. Y.

Distributors

WILLIAM BURSTON, National Retail Dry Goods Association, 100 West 31st St., New York 1, N. Y.

NEIL HEENY, Alden's, Inc., 511 South Paulina St., Chicago 7, Ill. (representing Mail Order Association of America).

OSCAR KARREL, Lord & Taylor, 424 Fifth Ave., New York 18, N. Y. (representing Boys' Apparel Buyers' Association).

LOUIS ROTHSCHILD, National Association of Retail Clothiers & Furnishers, 1006 Munsey Building, Washington 4, D. C.

EDWIN R. STANLEY, Mutual Buying Syndicate, Inc., 11 West 42d St., New York 36, N. Y. (representing Boys' Apparel Buyers' Association).

Consumers

MRS. ERNEST H. DANIEL, Broad Branch and Grant Roads NW., Washington 8, D. C. (representing General Federation of Women's Clubs).

DR. JULES LABARTHE, JR., Mellon Institute of Industrial Research, Pittsburgh, Pa.

MRS. ROBERT F. LEYDEN, American Cancer Society, Inc., 47 Beaver St., New York 4, N. Y. (representing the National Council of Women of the U. S., Inc.).

MISS DORIS MYERS, Carnegie Institute of Technology, Pittsburgh 13, Pa.

MISS CHARLOTTE G. WOLFF, University of Minnesota, University Farm, St. Paul 1, Minn.

WITHDRAWN

CS186-52

ACCEPTANCE OF COMMERCIAL STANDARD

If acceptance has not previously been filed, this sheet properly filled in, signed, and returned will provide for the recording of your organization as an acceptor of this commercial standard.

Date _____

Commodity Standards Division,
Office of Industry and Commerce,
United States Department of Commerce,
Washington 25, D. C.

Gentlemen:

We believe that Commercial Standard 186-52 constitutes a useful standard of practice, and we individually plan to utilize it as far as practicable in the

production¹ distribution¹ purchase¹ testing¹

of boys' sports outerwear. We reserve the right to depart from it as we deem advisable.

We understand, of course, that only those articles which actually comply with the standard in all respects can be identified or labeled as conforming thereto.

Signature of authorized officer _____
(In ink)

(Kindly typewrite or print the following lines)

Name and title of above officer _____

Organization _____
(Fill in exactly as it should be listed)

Street address _____

City, zone, and State _____

¹ Underscore which one. Please see that separate acceptances are filed for all subsidiary companies and affiliates which should be listed separately as acceptors. In the case of related interests, trade associations, trade papers, etc., desiring to record their general support, the words "General support" should be added after the signature.

(Cut on this line)

WITHDRAWN

TO THE ACCEPTOR

The following statements answer the usual questions arising in connection with the acceptance and its significance:

1. *Enforcement.*—Commercial standards are commodity specifications voluntarily established by mutual consent of those concerned. They present a common basis of understanding between the producer, distributor, and consumer and should not be confused with any plan of governmental regulation or control. The United States Department of Commerce has no regulatory power in the enforcement of their provisions, but since they represent the will of the interested groups as a whole, their provisions through usage soon become established as trade customs, and are made effective through incorporation into sales contracts by means of labels, invoices, and the like.

2. *The acceptor's responsibility.*—The purpose of commercial standards is to establish for specific commodities nationally recognized grades or consumer criteria, and the benefits therefrom will be measurable in direct proportion to their general recognition and actual use. Instances will occur when it may be necessary to deviate from the standard and the signing of an acceptance does not preclude such departures; however, such signature indicates an intention to follow the commercial standard, where practicable, in the production, distribution, or consumption of the article in question.

3. *The Department's responsibility.*—The major function performed by the Department of Commerce in the voluntary establishment of commercial standards on a Nation-wide basis is fourfold: first, to act as an unbiased coordinator to bring all interested parties together for the mutually satisfactory adjustment of trade standards; second, to supply such assistance and advice as past experience with similar programs may suggest; third, to canvass and record the extent of acceptance and adherence to the standard on the part of producers, distributors, and users; and fourth, after acceptance, to publish and promulgate the standard for the information and guidance of buyers and sellers of the commodity.

4. *Announcement and promulgation.*—When the standard has been endorsed by a satisfactory majority of production or consumption in the absence of active valid opposition, the success of the project is announced. If, however, in the opinion of the standing committee or of the Department of Commerce, the support of any standard is inadequate, the right is reserved to withhold promulgation and publication.

ACCEPTORS

The organizations listed below have individually accepted this standard for use as far as practicable in the production, distribution, purchase, or use of boys' sports outerwear. In accepting the standard, they reserved the right to depart from it as they individually deem advisable. It is expected that articles which actually comply with the requirements of this standard in all respects will be regularly identified or labeled as conforming thereto, and that purchasers will require such specific evidence of conformity.

ASSOCIATIONS

(General Support)

Boys' Apparel Buyers' Association, Inc., New York, N. Y.
Mail Order Association of America, Washington, D. C.
National Council of Women of the U. S., Inc., New York, N. Y.
National Retail Dry Goods Association, New York, N. Y.

FIRMS AND OTHER INTERESTS

Abelson, L., & Son, Inc., New York, N. Y.
Ace Sportswear Co., Needham Heights, Mass.
Affiliated Retailers, Inc., New York, N. Y.
Albert, Eli E., Inc., New York, N. Y.
Albert-Richard, Division of Fried, Ostermann Co., Milwaukee, Wis.
Aldens, Inc., Chicago, Ill.
Allegheny Sportswear Co., New York, N. Y.
Amco of Norvelt, New York, N. Y.
American Sportswear Co., Brigham City, Utah.
Apparel, Inc., Seattle, Wash.
B & B Clothes Shop, Jamaica, L. I., N. Y.
Bacon, Wilbert M., & Co., Bridgeton, N. J.
Badger Outerwear Manufacturing Co., Port Washington, Wis.
Bee-Em Manufacturing Co., Inc., Philadelphia, Pa.
Benoit, A. H., & Co., Portland, Maine.
Bloch Sportswear, Inc., Boston, Mass.
Bogen, M., Co., Lowell, Mass.
Borman Sportswear, Inc., Johnstown, N. Y.
Boyd-Richardson Co., St. Louis, Mo.
Brill Bros., Inc., Milwaukee, Wis.
Brody, F., & Sons Co., Des Moines, Iowa.
Bronco Manufacturing Corp., New York, N. Y.
Cal-Crest Outerwear, Inc., St. Louis, Mo.
California Manufacturing Co., St. Louis, Mo.
California Sportswear Co., Los Angeles, Calif.
Cape Ann Manufacturing Co., Gloucester, Mass.
Cape Girardeau Leather Manufacturing Co., Cape Girardeau, Mo.
Carlson's, Northampton, Mass.
Carter & Churchill Co., Lebanon, N. H.
Carter, H. W., & Sons, Lebanon, N. H.
Chic Patterns, New York, N. Y.
Chic School of Fashion Design, New York, N. Y.
Children's Shop, Washington, D. C.
Cresco Manufacturing Co., Ashland, Ohio.
Crowley, Milner & Co., Detroit, Mich.
Davison's, Atlanta, Ga.
DeJay Stores, Inc., New York, N. Y.
DeLong, C. W., & Sons, Inc., Grinnell, Iowa.
Doniger, David D., & Co., Inc., New York, N. Y.
Drybak Corp., Binghamton, N. Y.
Durable Sportswear Co., Inc., Lynbrook, L. I., N. Y.

Eastern New Mexico University, Portales, N. Mex.
Elder Manufacturing Co., St. Louis, Mo.
Ellen H. Richards Institute, Pennsylvania State College, State College, Pa. (In principle.)
England Bros., Pittsfield, Mass.
Esskay Manufacturing Co., San Antonio, Tex.
Ethan Ames, Inc., New York, N. Y.
Excel Garment Manufacturing Co., Minneapolis, Minn.
Falk's, O., Department Store, Tampa, Fla.
Fidelity Sportswear Co., Boston, Mass.
Finkelstein, Jacob, & Sons, Woonsocket, R. I.
Foley Bros., Houston, Tex.
Forester Manufacturing Co., Inc., Boston, Mass.
Foster, I. B., & Sons Sportswear Co., Inc., Philadelphia, Pa.
Fox Knapp Manufacturing Co., New York, N. Y.
Frankel Clothing, Inc., Des Moines, Iowa.
Freedman-Soloff Co., Boston, Mass.
Freeman, David, & Son, Inc., Chicago, Ill.
Friedlander & Golden, Inc., Boston, Mass.
Friedlen, H. L., & Co., Chicago, Ill.
Gene's Shop, Niagara Falls, N. Y.
Gertz, B., Inc., Jamaica, L. I., N. Y.
Gilmar Knitting Mills, Philadelphia, Pa.
Gimbel Bros., Inc., New York, N. Y.
Good Housekeeping Institute, New York, N. Y.
Goodnow, W. L., Co., Keene, N. H.
Graiss, Rubin, & Sons, Chicago, Ill.
Grant, W. T., Co., New York, N. Y.
Green, H. L., Co., Inc., New York, N. Y.
Grosner of 1325 F Street, Washington, D. C.
Grove Co., St. Louis, Mo.
Hamburger, Isaac, & Sons, Baltimore, Md.
Hammel's, Huntington, W. Va.
Happ Bros. Co., Inc., Macon, Ga.
Harris, H., Co., St. Paul, Minn.
Hartley, J. M., & Son Co., Fairmont, W. Va.
Hartzell's, Youngstown, Ohio.
His Nibs Shirt Corp., Souderton, Pa.
Hortex Manufacturing Co., Inc., El Paso, Tex.
Howick, W., Manufacturing Co., Ltd., Montreal, Quebec, Canada.
Industrial By-Products & Research Co., Philadelphia, Pa.
Joseph's Department Store, Fremont, Ohio.
Kahan Co., Kansas City, Mo.
Klinkerfues Manufacturing Co., St. Paul, Minn.
Knopf, S. H., Manufacturing Co., Boston, Mass.
Lakeland Manufacturing Co., Sheboygan, Wis.
Lansburgh & Bro., Washington, D. C.
Larkey Co., Inc., Newark, N. J.
Leopold Morse Co., Boston, Mass.
Levinson Designers, New York, N. Y.
Levy Bros., Louisville, Ky.
Lewis-Harris, Inc., Jersey City, N. J.

Ludwig Baumann, New York, N. Y.
 Lustberg, Nast & Co., Inc., New York, N. Y.
 Mabley & Carew Co., Cincinnati, Ohio.
 Macy, R. H., & Co., Inc., New York, N. Y.
 Mallory Outerwear, Inc., New York, N. Y.
 Maple Manufacturing Co., Philadelphia, Pa.
 McKelvey, G. M., Co., Youngstown, Ohio.
 Mellon Institute, Pittsburgh, Pa.
 Metro Sportswear, Inc., New York, N. Y.
 Model Sportswear, Inc., Shelbyville, Tenn.
 Monarch Manufacturing Co., Milwaukee, Wis.
 Monroe, Day, Topeka, Kans.
 Montana State University, Missoula, Mont.
 Mullin, Jas. T., & Sons, Inc., Wilmington, Del.
 Murphy, G. C., Co., McKeesport, Pa.
 Mutual Buying Syndicate, New York, N. Y.
 National Bellas Hess, Inc., North Kansas City, Mo.
 National Department Stores, New York, N. Y.
 Newberry, J. J., Co., New York, N. Y.
 New England Overall Co., Inc., Boston, Mass.
 Niagara Apparel Co., Inc., Buffalo, N. Y.
 Norrid Manufacturing Co., Inc., Yonkers, N. Y.
 Oak Hall (M. Rosenberg & Sons, Inc.), Roanoke, Va.
 Old Smokies Garment Co., New York, N. Y.
 Ollswang's Department Store, Elmhurst, Ill.
 Outdoorable's Inc., Minneapolis, Minn.
 Oxford Boyswear, Inc., New York, N. Y.
 Oxford Manufacturing Co., Inc., Atlanta, Ga.
 Patzig Testing Laboratories, Des Moines, Iowa.
 Pearce Manufacturing Co., Latrobe, Pa.
 Peters Sportswear Co., Inc., Philadelphia, Pa.
 Pogue, H. & S., Co., Cincinnati, Ohio.
 Pursel, Bart, Boys Clothing Store, Bloomington, Pa.
 Ralphs-Pugh Co., Inc., San Francisco, Calif.
 Reed Products, Inc., Milwaukee, Wis.
 Reliance Manufacturing Co., Chicago, Ill.
 Richard-Sutton Co., Chicago, Ill.
 Robitshek-Schneider Co., Minneapolis, Minn.
 Royal Novelty Co., New York, N. Y.
 Roydon Wear, Inc., McRae, Ga.
 Rutherford Garment Co., Rutherford, Tenn.
 Sandess Manufacturing Co., Philadelphia, Pa.
 Schwartz, Wm., & Co., Inc., Philadelphia, Pa.
 Shanhouse, W., Sons, Inc., Rockford, Ill.
 Shutzer Manufacturing Co., Inc., Lynn, Mass.
 Simon, Jules L., & Co., Chicago, Ill.
 Sims, B. L., Co., Lincoln Park, Mich.
 Soo Woolen Mills, Sault Ste. Marie, Mich.
 Southwest Texas State Teachers College, San Marcos, Tex.
 Spiegel, Inc., Chicago, Ill.
 Spiegel, Inc., New York, N. Y.
 Spiewak, I., & Sons, Inc., New York, N. Y.
 Stephen F. Austin State College, Nacogdoches, Tex.
 Strauss, H., Inc., Elmira, N. Y.
 Strouse Baer Co., Baltimore, Md.
 Superior Togs Corp., Elizabeth, N. J.
 Tauber's of California, San Francisco, Calif.
 Taylor, Wm., Son & Co., Cleveland, Ohio.
 Tedwin Sportswear, Boston, Mass.
 Thunder Bay Originals, Inc., Alpena, Mich.
 Tri-Parel Corp., Philadelphia, Pa.
 Tri Sportswear Inc., Brooklyn, N. Y.
 United States Testing Co., Inc., Hoboken, N. J.
 Vanderma's, Santa Ana, Calif.
 Walker's, I., Sons, York, Pa.
 Weather-Rite Sportswear Co., Inc., New York, N. Y.
 Weiner's, Portland, Oreg.
 Wells & Frost Boy's Department, Lincoln, Nebr.
 Western Reserve University, Cleveland, Ohio. (General support.)
 Winer Manufacturing Co., Inc., Hammond, Ind.
 Winner, Inc., Berne, Ind.
 Wyoming, University of, Division of Home Economics, Laramie, Wyo.
 Youth Apparel Corp., Columbus, Ohio.
 Youth Centre, Harrisburg, Pa.

COMMERCIAL STANDARDS

CS No.

0. Commercial standards and their value to business.
1. Clinical thermometers.
2. Mopsticks.
3. Stoddard solvent.
4. Staple porcelain (all-clay) plumbing fixtures.
5. Pipe nipples; brass, copper, steel and wrought-iron.
6. Wrought-iron pipe nipples. Superseded by CS5.
7. Standard weight malleable iron or steel screwed unions.
8. Gage blanks.
9. Builders' template hardware.
10. Brass pipe nipples. Superseded by CS5.
11. Moisture regains of cotton yarns.
12. Fuel oils.
13. Dress patterns.
14. Boys' sport and dress shirt (woven fabrics) size measurements.
15. Men's pajama sizes (made from woven fabrics).
16. Wallpaper.
17. Diamond core drill fittings.
18. Hickory golf shafts.
19. Foundry patterns of wood.
20. Vitreous china plumbing fixtures.
21. Interchangeable ground-glass joints, stopcocks, and stoppers.
22. Builders' hardware (nontemplate).
23. Feldspar.
24. Screw threads and tap-drill sizes.
25. Special screw threads. Superseded by CS24.
26. Aromatic red cedar closet lining.
27. Mirrors.
28. Cotton fabric tents, tarpaulins and covers.
29. Staple seats for water-closet bowls.
30. (Withdrawn).
31. Wood shingles.
32. Cotton cloth for rubber and pyroxylin coating.
33. Knit underwear (exclusive of rayon).
34. Bag, case, and strap leather.
35. Hardwood plywood.
36. Fourdrinier wire cloth.
37. Steel bone plates and screws.
38. Hospital rubber sheeting.
39. (Withdrawn).
40. Surgeons' rubber gloves.
41. Surgeons' latex gloves.
42. Structural fiber insulating board.
43. Grading of sulphonated oils.
44. Apple wraps.
45. Douglas fir plywood.
46. Hosiery lengths and sizes.
47. Marking of gold-filled and rolled-gold-plate articles other than watchcases.
48. Domestic burners for Pennsylvania anthracite (underfeed type).
49. Chip board, laminated chip board, and miscellaneous boards for bookbinding purposes.
50. Binders board for bookbinding and other purposes.
51. Marking articles made of silver in combination with gold.
52. Mohair pile fabrics (100-percent mohair plain velvet 100-percent mohair plain frieze, and 50-percent mohair plain frieze).
53. Colors and finishes for cast stone.
54. Mattresses for hospitals.
55. Mattresses for institutions.
56. Oak flooring.

CS No.

57. Book cloths, buckrams, and impregnated fabrics for bookbinding purposes except library bindings.
58. Woven elastic fabrics for use in overalls (overall elastic webbing).
59. Textiles—testing and reporting.
60. Hardwood dimension lumber.
61. Venetian blinds (grade A, custom-made).
62. Colors for kitchen accessories.
63. Colors for bathroom accessories.
64. Walnut veneers.
65. Methods of analysis and of reporting fiber composition of textile products.
66. Marking of articles made wholly or in part of platinum.
67. Marking articles made of karat gold.
68. Liquid hypochlorite disinfectant, deodorant, and germicide.
69. Pine oil disinfectant.
70. Phenolic disinfectant (emulsifying type) (published with CS71).
71. Phenolic disinfectant (soluble type) (published with CS70).
72. Household insecticide (liquid spray type).
73. Old growth Douglas fir, Sitka spruce, and western hemlock standard stock doors.
74. Solid hardwood wall paneling.
75. Automatic mechanical draft oil burners designed for domestic installations.
76. Hardwood interior trim and molding.
77. Enameled cast-iron plumbing fixtures.
78. Ground-and-polished lenses for sun glasses (published with CS79).
79. Blown, drawn, and dropped lenses for sun glasses (published with CS78).
80. Electric direction signal systems other than semaphore type for commercial and other vehicles subject to special motor vehicle laws (after market).
81. Adverse-weather lamps for vehicles (after market).
82. Inner-controlled spotlamps for vehicles (after market).
83. Clearance, marker, and identification lamps for vehicles (after market).
84. Electric tail lamps for vehicles (after market).
85. Electric license-plate lamps for vehicles (after market).
86. Electric stop lamps for vehicles (after market).
87. Red electric warning lanterns.
88. Liquid burning flares.
89. Hardwood stair treads and risers.
90. Power cranes and shovels.
91. Factory-fitted Douglas fir entrance doors.
92. Cedar, cypress, and redwood tank stock lumber.
93. Portable electric drills (exclusive of high frequency).
94. Calking lead.
95. Lead pipe.
96. Lead traps and bends.
97. Electric supplementary driving and passing lamps for vehicles (after market).
98. Artists' oil paints.
99. Gas floor furnaces—gravity circulating type.
100. Porcelain-enameled steel utensils.
101. Flue-connected oil-burning space heaters equipped with vaporizing pot-type burners.

CS No.

102. (Reserved for "Diesel and fuel-oil engines.")
103. Rayon jacquard velour (with or without other decorative yarn).
104. Warm-air furnaces equipped with vaporizing-type oil burners.
105. Mineral wool insulation for low temperatures.
106. Boys' pajama sizes (woven fabrics).
107. (Withdrawn.)
108. Treading automobile and truck tires.
109. Solid-fuel-burning forced-air furnaces.
110. Tire repairs—vulcanized (passenger, truck, and bus tires).
111. Earthenware (vitreous-glazed) plumbing fixtures.
112. Homogeneous fiber wallboard.
113. Oil-burning floor furnaces equipped with vaporizing pot-type burners.
114. Hospital sheeting for mattress protection.
115. Porcelain-enameled tanks for domestic use.
116. Bituminized-fiber drain and sewer pipe.
117. Mineral wool insulation for heated industrial equipment.
118. Marking of jewelry and novelties of silver.
- (E) 119.¹ Dial indicators (for linear measurements).
120. Standard stock ponderosa pine doors.
121. Women's slip sizes (woven fabrics).
122. Western softwood plywood.
123. Grading of diamond powder.
- (E) 124.¹ Master disks.
125. Prefabricated homes.
126. Tank-mounted air compressors.
127. Self-contained mechanically refrigerated drinking water coolers.
128. Men's sport shirt sizes—woven fabrics (other than those marked with regular neckband sizes).
129. Materials for safety wearing apparel.
130. Color materials for art education in schools.
131. Industrial mineral wool products, all types—testing and reporting.
132. Hardware cloth.
133. Woven wire netting.
134. Cast aluminum cooking utensils (metal composition).
135. Men's shirt sizes (exclusive of work shirts).
136. Blankets for hospitals (wool, and wool and cotton).
137. Size measurements for men's and boys' shorts (woven fabrics).
138. Insect wire screening.
139. Work gloves.
140. Testing and rating convectors.
141. Sine bars, blocks, plates, and fixtures.
142. Automotive lifts.
143. Standard strength and extra strength perforated clay pipe.
144. Formed metal porcelain enameled sanitary ware.
145. Testing and rating hand-fired hot-water supply boilers.
146. Gowns for hospital patients.
147. Colors for molded urea plastics.

CS No.

148. Men's circular flat- and rib-knit rayon underwear.
149. Utility type house dress sizes.
150. Hot rolled rail steel bars (produced from tee-section rails).
151. Body measurements for the sizing of apparel for infants, babies, toddlers, and children (for the knit underwear industry).
152. Copper naphthenate wood-preservative (spray, brush, dip application).
153. Body measurements for the sizing of apparel for girls (for the knit underwear industry).
154. (Reserved for "Wire rope.")
155. Body measurements for the sizing of boys' apparel (knit underwear, shirts, trousers).
156. Colors for polystyrene plastics.
157. Ponderosa pine and sugar pine plywood.
158. Model forms for girls' apparel.
159. Sun glass lenses made of ground and polished plate glass, thereafter thermally curved.
160. Wood-fiber blanket insulation (for building construction).
161. "Standard grade" hot-dipped galvanized ware (coated after fabrication).
162. Tufted bedspreads.
163. Standard stock ponderosa pine windows, sash and screens.
164. (Reserved for "Concrete mixers.")
165. Zinc naphthenate wood-preservative (spray, brush, dip application).
166. Size measurements for men's work trousers.
167. Automotive and general service copper tube.
168. Polystyrene plastic wall tiles, and adhesives for their application.
169. Galvanized ware fabricated from *pre-galvanized* steel sheets.
170. Cotton flour-bag (sack) towels.
171. Hardwood veneered doors.
172. Brass trim for water-closet bowls, tanks, and urinals (dimensional standards).
173. Heavy-duty alpha-cellulose-filled melamine tableware.
174. 140-F dry-cleaning solvent.
175. Circular-knitted gloves and mittens.
176. Prefinished wall panels.
177. Bituminous-coated metal septic tanks (single compartment, residential).
178. Testing and rating ventilating fans (axial and propeller types).
179. Installation of attic ventilation fans in residences.
180. Model forms for boys' apparel.
181. Water-resistant organic adhesives for installation of clay tile.
182. Latex foam mattresses for hospitals.
183. Boys' trouser size measurements.
184. Steel fence posts—field and line type (produced from hot-rolled steel sections).
185. Wool felt.
186. Boys' sports outerwear size measurements.
187. Men's work shirt sizes.

¹ Where "(E)" precedes the CS number, it indicates an emergency commercial standard drafted under war conditions.